



## UNITED STATES PATENT AND TRADEMARK OFFICE

FILE COPY

 COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
 www.uspto.gov


Bib Data Sheet

CONFIRMATION NO. 2190

<b>SERIAL NUMBER</b> 09/943,859	<b>FILING DATE</b> 08/30/2001 <b>RULE</b>	<b>CLASS</b> 360	<b>GROUP ART UNIT</b> 2652	<b>ATTORNEY DOCKET NO.</b> 1012-003
<b>APPLICANTS</b> Kyusik Sin, Pleasanton, CA; Yingjian Chen, Fremont, CA; <i>Ch</i>				
<b>** CONTINUING DATA *****</b> <i>w/d Ch</i>				
<b>** FOREIGN APPLICATIONS *****</b> <i>w/d Ch</i>				
<b>IF REQUIRED, FOREIGN FILING LICENSE GRANTED</b> <b>** 11/28/2001</b>				
Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no 35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance		<b>STATE OR COUNTRY</b> CA	<b>SHEETS DRAWING</b> 5	<b>TOTAL CLAIMS</b> 20
Verified and Acknowledged Examiner's Signature <i>Ch</i> Initials		<b>INDEPENDENT CLAIMS</b> 4		
<b>ADDRESS</b> 22898				
<b>TITLE</b> Spin-dependent tunneling read/write sensor for hard disk drives				
<b>FILING FEE RECEIVED</b> 790	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit	

**The Law Offices of Mikio Ishimaru**

**Intellectual Property Law**  
**Patents - Licensing - Strategy - & Related Matters**  
1110 Sunnyvale-Saratoga Road, Suite A1  
Sunnyvale, CA 94087  
Telephone: (408) 738-0592  
Fax: (408) 738-0881

**RECEIVED**  
**DEC 26 2001**  
Technology Center 2600

# Fax

<b>To:</b>	Customer Corrections	<b>From:</b>	Mikio Ishimaru
<b>Fax:</b>	703-308-7751	<b>Pages:</b>	3
<b>Phone:</b>	703-308-1202	<b>Date:</b>	12/5/2001
<b>Re:</b>	09/943,859	<b>CC:</b>	Attorney Docket No.: 1012-003

☐ Urgent☐ For Review & Correction☐ Please Reply**IMPORTANT**

The information contained in this facsimile is intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received this facsimile in error, please immediately notify us by telephone, and return the original message to us at the address above via the U.S. Postal Service. Thank you.

For confirmation or assistance, call (408) 738-0881

Comments:

Dear Customer Corrections:

Attached is a copy of the filing receipt for serial number 09/943,859. There is an error in the title of the application. The correct title is:

"Spin-dependent tunneling read/write sensor for hard disk drives"

Thank you for your cooperation concerning this correction.

Very truly yours,



Mikio Ishimaru



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/943,859	08/30/2001	2652	790	1012-003	5	20	4

CONFIRMATION NO. 2190

## FILING RECEIPT



\*OC000000007129239\*

22898  
THE LAW OFFICES OF MIKIO ISHIMARU  
1110 SUNNYVALE-SARATOGA ROAD  
SUITE A1  
SUNNYVALE, CA 94087

Date Mailed: 11/28/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Kyusik Sin, Pleasanton, CA;  
Yingjian Chen, Fremont, CA;

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 11/28/2001

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No

## Title

Spin-dependent tunneling read/write sens or for hard disk drives

Preliminary Class

360

RECEIVED  
DEC 26 2001  
Technology Center 2600

RECEIVED

DEC 04 2001

MIKIO ISHIMARU

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).